

PAT-NO: JP360015189A
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TITLE: BAKED PRINTING OF REINFORCED GLASS

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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To perform a printing with a high quality efficiently on a glass of a wrist watch or the like without causing a difference in the baking adhesivity by baking a pattern on the reinforced glass arranged on a substrate high in the transmissivity for infrared rays with the irradiation of infrared rays.

CONSTITUTION: When a pattern 1 is formed on a reinforced glass 2 by screen printing and undergoes a baking treatment, the reinforced glass 2 is arranged on a substrate (e.g. Pyrex glass, transparent quartz plate) 4 high in the transmissivity for infrared rays and infrared rays irradiates it from an infrared ray lamp 3 to bake the pattern 1.

EFFECT: There is no thermal effect on the reinforced glass body as the concentration of heat energy is possible on the pattern forming part. The use of the above- mentioned substrate allows the heating of the substrate by infrared rays passing through a part of the reinforced glass to prevent the lowering of the strength thereof otherwise caused by reverse transfer of heat to the glass.

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